



OIL REPORT

LAB NUMBER:
 REPORT DATE: 9/2/2016
 CODE: 20/37

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Porsche 3.6L H-6	OIL TYPE & GRADE: Motul X-cess 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,663 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS It's another excellent report for your 996. Aluminum and iron are a few ppm higher than past samples, but this is certainly not a cautionary amount of metal. The longer oil run is playing a part in that too. Maybe the engine saw a little harder use on this oil as well. It's hard to say, but we don't see any obvious problems here. No excess fuel or coolant is present and the air and oil filters kept silicon and insolubles nice and low. The viscosity is in the expected range for 5W/40. Oil consumption seems stable too and that's good.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,663	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	73,484	4,667	4,667	4,056	4,212	5,049	
	Sample Date	8/5/2016	5/11/2015	5/11/2015	6/20/2014	9/21/2013	1/21/2013	
	Make Up Oil Added	2.8 qts	4 qts	4 qts	2.8 qts	2.6 qts	3.22 qts	
ALUMINUM	5	4	3	3	3	3	4	4
CHROMIUM	1	1	1	1	1	1	1	1
IRON	18	16	13	13	13	15	18	10
COPPER	13	16	10	10	11	15	25	9
LEAD	4	3	3	3	2	3	4	3
TIN	0	0	0	0	1	1	0	1
MOLYBDENUM	6	2	1	1	1	1	2	77
NICKEL	1	1	0	1	1	1	0	1
MANGANESE	0	0	0	0	0	0	0	1
SILVER	0	0	0	0	0	0	0	0
TITANIUM	0	0	0	0	0	0	0	0
POTASSIUM	1	1	2	1	0	0	2	2
BORON	56	44	51	52	48	49	44	111
SILICON	4	4	3	3	3	3	4	7
SODIUM	6	5	3	3	4	4	6	13
CALCIUM	2899	2637	2909	2905	2591	2933	2582	2608
MAGNESIUM	28	205	20	22	26	66	223	129
PHOSPHORUS	945	922	948	940	858	933	915	916
ZINC	1143	1099	1129	1147	1022	1166	1102	1062
BARIUM	0	0	0	0	0	0	0	0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	67.8	65-78	71.1	67.7	67.0	66.7	66.6
	cSt Viscosity @ 100°C	12.38	11.6-15.3	13.24	12.33	12.15	12.07	12.04
	Flashpoint in °F	380	>375	395	395	405	400	380
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	TR	TR	0.1	TR	0.1
	TBN			7.3				
	TAN							
	ISO Code			17/16/13				

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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